

Summary Report for Individual Task
052-247-1217
Operate a Supplied Air Respirator System
Status: Approved

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD1 - The materials contained in this course have been reviewed by the course developers in coordination with the Ft Leonard Wood MO/MSCOE foreign disclosure authority. This course is releasable to students from all requesting foreign countries without restrictions.

Condition: You are a member of an Urban Search and Rescue (US&R) team and are given a confined space rescue incident, a supplied air respirator system, and required personal protective equipment (PPE). This task should not be trained in MOPP 4.

Standard: Operate a supplied air respirator (SAR) system. Conduct all SAR system operations without causing injury to personnel and/or damage to the environment or equipment in accordance with (IAW) National Fire Protection Association (NFPA) 1006 standards.

Special Condition: None

Safety Risk: Low

MOPP 4: Never

Task Statements

Cue: None

DANGER

None

WARNING

None

CAUTION

None

Remarks: All required references and technical manuals will be provided by the local US&R Command.

Notes: None

Performance Steps

1. Perform a PMCS on the SAR System per the manufacturer's guidelines.
2. Set up the SAR system for operation.
 - a. Set up the SAR system on a firm flat surface.
 - b. Stand the mobile SAR cart system upright for easy access to the cylinder valves and controls.
 - c. Check that both cylinder gauges indicate full and their valves are closed.
 - d. Install two fully charged breathing air supply cylinders.
 - e. Verify that both vent valves are closed.
 - f. Verify that the respirator outlet pressure regulator is turned fully counterclockwise (set to the lowest possible setting).
 - g. Select either the LEFT or RIGHT cylinder. Slowly open the cylinder valve allowing the pressure indication on the inlet pressure gauge to slowly increase to the full cylinder pressure.
 - h. Turn the RESPIRATOR OUTLET PRESSURE REGULATOR clockwise until it indicates a pressure of 60 to 100 psi with no respirator(s) attached. There should be no sound of air flow or leakage.
3. Supply air to the respirators and maintain the minimum SAR manifold pressure for normal operation.
 - a. Make sure the couplings are compatible between the respirator and the mobile SAR cart.
 - b. Connect each hose line to one of the respirator outlets.
 - c. Make sure the couplings are connected properly.
 - d. Perform the respirator regular operational inspection as detailed in the operation and maintenance instructions for the respirator being used.

Note: The outlet pressure must not go below the minimum required by the respirator(s). The ability of the air supply to provide the required air pressure to respirators while in use must be confirmed in a clean breathing air area. Refer to the minimum and maximum air pressure requirements specified in the user instructions for the respirator.
4. Document the time the rescuers start breathing air from the SAR system.
 - a. Monitor the rescuer's time on the respirator(s).
 - b. Report the time on air checks to the Incident Command (IC) per unit SOP.
5. Perform post shutdown operational-procedure checks according to the specific equipment manufacturer's guidelines.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score each Soldier GO if all measures are passed (P) correctly. Score Soldier NO-GO if any measure is failed (F). If the Soldier fails any measurement, show him how to do it correctly.

Evaluation Preparation: Provide the Soldier with the items listed in the conditions. Brief Soldier: Tell the Soldier to operate a supplied air respirator system.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Performed a PMCS on the SAR System per the manufacturer's guidelines.			
2. Set up the SAR system for operation.			
3. Supplied air to the respirators and maintained the minimum SAR manifold pressure for normal operations.			
4. Documented the time the rescuers started breathing air from the SAR system.			
5. Performed post shutdown operational-procedure checks according to the specific equipment manufacturers guidelines.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	IFSTA	International Fire Service Training Association (IFSTA) Fire Service Search and Rescue, 7th Edition	No	No
	IFSTA - 1st Edition	IFSTA Technical Rescue for Structural Collapse, 1st Edition	No	No
	NFPA 1006	Standard for Rescue Technician Professional Qualifications	Yes	Yes

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

Prerequisite Individual Tasks : None

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
052-247-1203	Conduct Atmospheric Monitoring for an Urban Search and Rescue Incident	052 - Engineer (Individual)	Approved
052-247-1204	Perform Ventilation Procedures for an Urban Search and Rescue Incident	052 - Engineer (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
052-247-1218	Perform Rescue of an Injured or Unconscious Victim from a Confined Space	052 - Engineer (Individual)	Analysis

Supported Collective Tasks : None